

10-583,034\_Sequence.txt  
SEQUENCE LISTING



<110> GAUTHIER et al.

<120> Human anti-idiotypic antibody fragments that mimic  
Her-2/neu

<130> P08951US00/BAS

<140> EP 032930196.6

<141> 2003-12-17

<140> PCT/IB2004/004096

<141> 2004-12-14

<150> US 10/583,034

<151> 2006-06-15

<160> 14

<170> PatentIn Ver. 2.1

<210> 1

<211> 241

<212> PRT

<213> Homo sapiens

<400> 1

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
85 90 95

Ala Lys Asn Tyr Gln Ile His Pro Phe Asp Tyr Trp Gly Gln Gly Thr  
100 105 110

Leu Val Thr Val Ser Arg Gly Gly Gly Gly Ser Gly Gly Gly Ser  
115 120 125

10-583,034\_Sequence.txt

Gly Gly Gly Gly Ser Ser Glu Leu Thr Gln Asp Pro Ala Val Ser Val  
 130 135 140  
 Ala Leu Gly Gln Thr Val Arg Ile Thr Cys Gln Gly Asp Ser Leu Arg  
 145 150 155 160  
 Ser Tyr Tyr Ala Ser Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val  
 165 170 175  
 Leu Val Ile Tyr Gly Lys Asn Asn Arg Pro Ser Gly Ile Pro Asp Arg  
 180 185 190  
 Phe Ser Gly Ser Ser Ser Gly Asn Thr Ala Ser Leu Thr Ile Thr Gly  
 195 200 205  
 Ala Gln Ala Glu Asp Glu Ala Asp Tyr Tyr Cys Asn Ser Ser Asp Pro  
 210 215 220  
 Asp Gln Leu Leu Val Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu  
 225 230 235 240  
 Gly

<210> 2  
 <211> 241  
 <212> PRT  
 <213> Homo sapiens

<400> 2  
 Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly  
 1 5 10 15  
 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr  
 20 25 30  
 Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val  
 35 40 45  
 Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val  
 50 55 60  
 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr  
 65 70 75 80  
 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys  
 85 90 95  
 Ala Lys Asn Val His Ile Gln Pro Phe Asp Tyr Trp Gly Gln Gly Thr

## 110

```
<210> 4
<211> 6
<212> PRT
<213> Homo sapiens

<400> 4
Asp Pro Asp Gln Leu Leu
 1                5
```

10-583,034\_Sequence.txt

<210> 5  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 5  
 Asn Val His Ile Gln Pro  
 1 5

<210> 6  
 <211> 6  
 <212> PRT  
 <213> Homo sapiens

<400> 6  
 Glu Pro Thr Pro Pro Arg  
 1 5

<210> 7  
 <211> 11  
 <212> PRT  
 <213> Homo sapiens

<400> 7  
 Cys Ala Lys Lys Lys Ile Gly Pro Phe Asp Tyr  
 1 5 10

<210> 8  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 8  
 Asn Ser Ser Pro Arg Pro Asn Ala Pro Val Val Phe  
 1 5 10

<210> 9  
 <211> 12  
 <212> PRT  
 <213> Homo sapiens

<400> 9  
 Cys Ala Lys Asn Tyr Gln Ile His Pro Phe Asp Tyr  
 Page 4

1

5

10

&lt;210&gt; 10

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 10

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asn | Ser | Ser | Asp | Pro | Asp | Gln | Leu | Leu | Val | Val | Phe |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |

&lt;210&gt; 11

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 11

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Cys | Ala | Lys | Asn | Val | His | Ile | Gln | Pro | Phe | Asp | Tyr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |

&lt;210&gt; 12

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 12

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Asn | Ser | Ser | Glu | Pro | Thr | Pro | Pro | Arg | Val | Val | Phe |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |

&lt;210&gt; 13

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:primer

&lt;400&gt; 13

tactacgcag actccgtgaa g

21

&lt;210&gt; 14

&lt;211&gt; 17

10-583,034\_Sequence.txt

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:primer

<400> 14

gaattttctg tatgagg

17